

Form PTO-1449 (modified)	Atty. Docket No. BRKP:022US	Serial No. 10/579,381
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Applicant Guy Cloutier <i>et al.</i>	
	Filing Date: May 13, 2006	Group: 3737 2624
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 1</i>	Other Art <i>See Page 1-5</i>

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	2003/0053667	03/20/03	Paragios <i>et al.</i>	382	128	05/17/02
	A2	2003/0118221	06/26/03	Deschamps <i>et al.</i>	382	128	10/22/02
	A3	2003/0197704	10/23/03	Tek <i>et al.</i>	345	474	09/04/02
	A4	2004/0019267	01/29/04	Paragios <i>et al.</i>	600	407	01/31/03
	A5	2004/0024315	02/05/04	Chalana <i>et al.</i>	600	443	07/31/03

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Language
	B1	EP 1227342	07/31/02	Europe	English
	B2	EP 1306803	05/02/03	Europe	French
	B3	WO 00/19904	04/13/00	WIPO	English
	B4	WO 03/041584	05/22/03	WIPO	English
	B5	WO 2004/001671	12/31/03	WIPO	English
	B6	WO 2004/079654	09/16/04	WIPO	English

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Antiga <i>et al.</i> , "Computational Geometry for Patient Specific Reconstruction and Meshing of Blood Vessels from MR and CT Angiography," <i>IEEE Transactions on Medical Imaging</i> , 22:674-684, 2003.
	C2	Boukerroui <i>et al.</i> , "Segmentation of ultrasound images- multiresolution 2D and 3D algorithm based on global and local statistics," <i>Pattern Recognition Letters</i> , 24:779-790, 2003.
	C3	Bovenkamp <i>et al.</i> , "Multi-Agent IVUS Image Interpretation," <i>SPIE Proceedings: Medical Imaging 2003: Image Processing</i> , 5032:619-630, 2003.

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	C4	Bruining <i>et al.</i> , "ECG-gated versus nongated three-dimensional intracoronary ultrasound analysis: implications for volumetric measurements," <i>Catheterization and Cardiovascular Diagnosis</i> , 43:254-260, 1998.
	C5	Brusseau <i>et al.</i> , "Fully Automatic Luminal Contour Segmentation in Intracoronary Ultrasound Imaging- A Statistical Approach," <i>IEEE Trans. Med. Imag.</i> , 23:554-566, 2004.
	C6	Cardinal <i>et al.</i> , "Intravascular Ultrasound Image Segmentation: A Fast-Marching Method," <i>Lecture Notes in Computer Science</i> , 2879:432-439, 2003
	C7	Chalana and Kim, "A Methodology for Evaluation of Boundary Detection Algorithms on Medical Images," <i>IEEE Trans. Med. Imag.</i> , 16:642-652, 1997.
	C8	Colombo <i>et al.</i> , "Intracoronary Stenting Without Anticoagulation Accomplished With Intravascular Ultrasound Guidance," <i>Circulation</i> , 91:1676-1688, 1995.
	C9	De Korte <i>et al.</i> , "Intravascular elasticity imaging using ultrasound: feasibility studies in phantoms," <i>Ultrasound Med. Biol.</i> , 23:735-746, 1997.
	C10	De Winter <i>et al.</i> , "Retrospective Image-Based Gating of Intracoronary Ultrasound Images for Improved Quantitative Analysis: The Intelligate Method," <i>Characterization and Cardiovascular Diagnosis</i> , 61:84-94, 2004.
	C11	Delignon <i>et al.</i> , "Estimation of Generalized Mixtures and Its Application in Image Segmentation," <i>IEEE Transactions on Image Processing</i> , 6:1364-1375, 1997.
	C12	Dempster <i>et al.</i> , "Maximum Likelihood from Incomplete Data via the EM Algorithm," <i>J. Roy. Stat. Soc. B</i> , 39:1-38, 1977.
	C13	Dutt and Greenleaf, "Statistics of the log-compressed echo envelope," <i>J. Acoust. Soc. Am.</i> , 99:3817-3825, 1996.
	C14	Gussenhoven <i>et al.</i> , "Arterial Wall Characteristics Determined by Intravascular Ultrasound Imaging: An in Vitro Study," <i>J. Am. Coll. Cardiol.</i> , 14:947-952, 1989.
	C15	Haas <i>et al.</i> , "Segmentation of 3D intravascular ultrasonic images based on a random field model," <i>Ultrasound Med. Biol.</i> , 26:297-306, 2000.
	C16	Hagenaars <i>et al.</i> , "Gamma radiation induces positive vascular remodeling after balloon angioplasty: a prospective, randomized intravascular ultrasound scan study," <i>Journal of Vascular Surgery</i> , 36:318-324, 2002.

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	C17	Han <i>et al.</i> , "A Fast Minimal Path Active Contour Model," <i>IEEE Transactions on Image Processing</i> , 10:865-873, 2001.
	C18	Hastie <i>et al.</i> , <i>The Elements of Statistical Learning: Data Mining, Inference, and Prediction</i> , Springer, New York, pp. 236-243, 2001.
	C19	Jain <i>et al.</i> , "Deformable template models: A review," <i>Signal Processing</i> , 71:109-129, 1998.
	C20	Kallel <i>et al.</i> , "Speckle Motion Artifact Under Tissue Rotation," <i>IEEE Trans. Ultrason., Ferroelect., Freq. Contr.</i> , 41:105-122, 1994.
	C21	Klingensmith <i>et al.</i> , "Evaluation of Three-Dimensional Segmentation Algorithms for the Identification of Luminal and Medial-Adeventitial Borders in Intravascular Ultrasound Images," <i>IEEE Trans. Med. Imag.</i> , 19:996-1011, 2000.
	C22	Koning <i>et al.</i> , "Advanced contour detection for three-dimensional intracoronary ultrasound: a validation- in vitro and in vivo," <i>Int. J. Cardiovascular Imaging</i> , 18:235-248, 2002.
	C23	Kovalski <i>et al.</i> , "Three-dimensional automatic quantitative analysis of intravascular ultrasound images," <i>Ultrasound Med. Biol.</i> , 26:527-537, 2000.
	C24	Malladi <i>et al.</i> , "Shape Modeling with Front Propagation: A Level Set Approach," <i>IEEE Trans. Pattern Anal. Machine Intell.</i> , 17:158-175, 1995.
	C25	Maurice <i>et al.</i> , "Adapting the Lagrangian speckle model estimator for endovascular elastography: theory and validation with simulated radio-frequency data," <i>J. Acoust. Soc. Am.</i> , 116:1276-1286, 2004.
	C26	Mignotte and Meunier, "A multiscale optimization approach for the dynamic contour-based boundary detection issue," <i>Computerized Medical Imaging and Graphics</i> , 25:265-275, 2001.
	C27	Mintz <i>et al.</i> , "American College of Cardiology Clinical Expert Consensus Document on Standards for Acquisition, Measurement and Reporting of Intravascular Ultrasound Studies (IVUS). A report of the American College of Cardiology Task Force on Clinical Expert Consensus Documents," <i>J. Am. Coll. Cardiol.</i> , 37:1478-1492, 2001.
	C28	Mintz <i>et al.</i> , "Atherosclerosis in angiographically "normal" coronary artery reference segments: an intravascular ultrasound study with clinical correlations," <i>J. Am. Coll. Cardiol.</i> , 25:1479-1485, 1995.

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	C29	Mojsilovic <i>et al.</i> , "Automatic segmentation of intravascular ultrasound images: a texture-based approach," <i>Ann. Biomed. Eng.</i> , 25:1059-1071, 1997.
	C30	Nadkarni <i>et al.</i> , "Image-based Retrospective Cardiac Gating for Three-Dimensional Intravascular Ultrasound Imaging," <i>SPIE Proceedings: Medical Imaging: Ultrasonic Imaging and Signal Processing</i> , 4687:276-284, 2002.
	C31	Nissen and Yock, "Intravascular Ultrasound: Novel Pathophysiological Insights and Current Clinical Applications," <i>Circulation</i> , 103:604-616, 2001.
	C32	Nissen, "Application of Intravascular Ultrasound to Characterize Coronary Artery Disease and Assess the Progression or Regression of Atherosclerosis," <i>Am. J. Cardiol.</i> , 89:24B-31B, 2002.
	C33	Osher and Sethian, "Fronts Propagating with Curvature Dependent Speed: Algorithms Based on Hamilton-Jacobi Formulations," <i>J. Comput. Phys.</i> , 79:12-49, 1988.
	C34	Pieczynski, "Hidden Markov Fields and Iterative Conditional Estimation," <i>Traitement du Signal</i> , 11:141-153, 1994 (English Abstract).
	C35	Pujol <i>et al.</i> , "Intravascular Ultrasound Images Vessel Characterization using AdaBoost," <i>Lecture Notes in Computer Science</i> , 2674:242-251, 2003
	C36	Sethian, "A fast marching level set method for monotonically advancing fronts," <i>Proceedings of the National Academy of the Sciences USA</i> , 93:1591-1595, 1996.
	C37	Sethian, In: <i>Level Set Methods and Fast Marching Methods: Evolving Interfaces in Computational Geometry, Fluids Mechanics, Computer Vision and Materials Science</i> , 2 nd ed., Cambridge University Press, 1999.
	C38	Shankar, "A General Statistical Model for Ultrasonic Backscattering from Tissues," <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Freq. Control</i> , 47:727-736, 2000.
	C39	Shaw <i>et al.</i> , "Determinants of Coronary Artery Compliance in Subjects With and Without Angiographic Coronary Artery Disease," <i>J American College of Cardiology</i> , 39:1637-1643, 2002.
	C40	Sifakis <i>et al.</i> , "Bayesian Level Sets for Image Segmentation," <i>J. Visual Commun. Imag. Rep.</i> , 13:44-64, 2002.
	C41	Tai <i>et al.</i> , "In vivo femoropopliteal arterial wall compliance in subjects with and without lower limb vascular disease," <i>J. Vascular Surgery</i> , 30:936-945, 1999.

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	C42	Takano <i>et al.</i> , "Mechanical and Structural Characteristics of Vulnerable Plaques: Analysis by Coronary Angioscopy and Intravascular Ultrasound," <i>J American College of Cardiology</i> , 38:99-104, 2001.
	C43	Von Birgelen <i>et al.</i> , "ECG-Gated Three-dimensional Intravascular Ultrasound," <i>Circulation</i> , 96:2944-2952, 1997.
	C44	Von Birgelen <i>et al.</i> , "Morphometric analysis in three-dimensional intracoronary ultrasound: an in vitro and in vivo study performed with a novel system for the contour detection of lumen and plaque," <i>Am. Heart J.</i> , 132:516-527, 1996.
	C45	Wagner <i>et al.</i> , "Statistics of Speckle in Ultrasound B-Scans," <i>IEEE Transactions on Sonics and Ultrasonics</i> , 30:156-163, 1983.
	C46	Wear <i>et al.</i> , "Statistical properties of estimates of signal-to-noise ratio and number of scatterers per resolution cell," <i>Journal of the Acoustical Society of America</i> , 102:635-641, 1997.
	C47	Weichert <i>et al.</i> , "Virtual 3D IVUS vessel model for intravascular brachytherapy planning. I. 3D segmentation, reconstruction, and visualization of coronary artery architecture and orientation," <i>Med. Phys.</i> , 30:2530-2536, 2003.
	C48	Xu <i>et al.</i> , "Image Segmentation Using Deformable Models," Handbook of Medical Imaging, Vol. 2: Medical Image Processing and Analysis, Sonka and Fitzpatrick (eds.), SPIE Press, 2000.
	C49	Zhang <i>et al.</i> , "Tissue Characterization in Intravascular Ultrasound Images," <i>IEEE Trans. Med. Imag.</i> , 17:889-899, 1998.
	C50	Zhong <i>et al.</i> , "Object Tracking Using Deformable Templates," Sixth International Conference on Computer Vision, pp. 410-445, 1998.
	C51	Zhu <i>et al.</i> , "Retrieval of Cardiac Phase from IVUS Sequences," <i>SPIE Proceedings: Medical Imaging: Ultrasonic Imaging and Signal Processing</i> , 5035:135-146, 2003.

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